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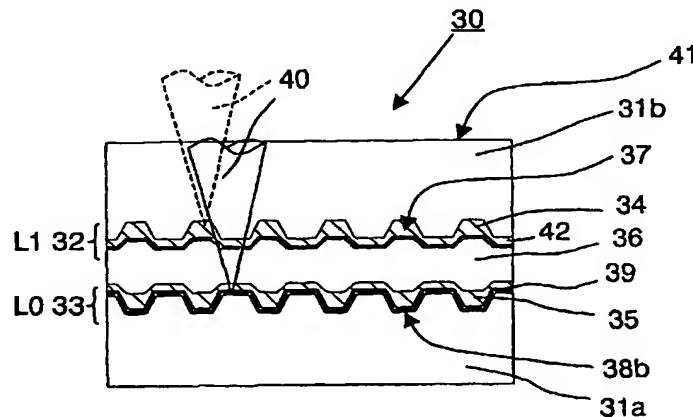
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(54) Title: MULTI-STACK OPTICAL DATA STORAGE MEDIUM AND USE OF SUCH MEDIUM



(57) Abstract: A multi-stack optical data storage medium (30) for recording using a focused radiation beam (40) having a wavelength λ and entering through an entrance face (41) of the medium (30) is described. It has a first substrate (31a) with present on a side thereof a first recording stack (33) named L0, comprising a recordable type L0 recording layer (35), and formed in a first L0 guide groove (38). The L0 recording layer (35) has a thickness $dL0G$ in the groove (38) and a thickness $dL0L$ adjacent the groove (38). A second substrate (31b) has present on a side thereof a second recording stack (32) named L1 comprising a recordable type L1 recording layer (34). The L1 recording layer has a thickness $dL1G$ in the groove and a thickness $dL1L$ adjacent the groove. The second recording stack (32) is present at a position closer to the entrance face (41) than the L0 recording stack (33) and is formed in a second L1 guide groove (37). The depth of the first L0 guide groove (38) is smaller than 0.15λ and $dL0L$ is substantially equal to or larger than $dL1G$ by which it is achieved that the L0 stack (33) has a reflection level and a modulation level of recorded marks compatible with the dual layer DVD-ROM specification.

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